



CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Supermicro

Supermicro X7DBE Motherboard (Intel Xeon processor 5160 3.0GHz)

SPECint_rate2000 = --

SPECint_rate_base2000 = 85.9

SPEC license #: 49 Tested by: AMD Austin, TX Test date: Aug-2006 Hardware Avail: Aug-2006 Software Avail: Jul-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.zip	4	88.0	73.8			
175.vpr	4	89.1	72.9			
176.gcc	4	49.0	104			
181.mcf	4	256	32.6			
186.crafty	4	32.7	142			
197.parser	4	142	59.0			
252.eon	4	41.8	144			
253.perlbmk	4	70.6	118			
254.gap	4	81.5	62.7			
255.vortex	4	76.2	116			
256.bzip2	4	96.9	71.8			
300.twolf	4	117	119			

Hardware

CPU: Intel Xeon processor 5160 (1333MHz system bus)
 CPU MHz: 3000
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
 CPU(s) orderable: 1,2 chips
 Parallel: No
 Primary Cache: 32KB(I) + 32KB(D) on chip per core
 Secondary Cache: 4MB(I+D) on chip per chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 8 x 1GB DDR2-667 CL5 FBDIMM
 Disk Subsystem: 1 X 250GB Western Digital WD2500 SATA 7200rpm
 Other Hardware: None

Software

Operating System: SuSE Linux 10.1 for x86_64
 Compiler: SuSE gcc,g++ 4.1
 File System: Linux/ext3
 System State: Multi-user SuSE Run level 3

Notes/Tuning Information

Portability:
 255.vortex= CPORTABILITY=-DSPEC_CPU2000_LP64
 186.crafty: CPORTABILITY=-DLINUX_i386
 252.eon: CXXPORTABILITY=-DHAS_ERRLIST -DSPEC_CPU2000_LP64
 253.perlbmk: CPORTABILITY=-DSPEC_CPU2000_LINUX_I386 -DSPEC_CPU2000_NEED_BOOL
 -DSPEC_CPU2000_LP64
 254.gap: CPORTABILITY=-DSYS_IS_USG -DSYS_HAS_IOCTL_PROTO -DSYS_HAS_TIME_PROTO
 -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
 -DSPEC_CPU2000_LP64

Baseline C: gcc -O3 -fno-strict-aliasing

Baseline C++: g++ -O3

Binaries are 64 bit running on a 64 bit OS

Prefetch settings in BIOS are defaults: Hardware Prefetch: ON,
Adjacent Cache Line Prefetch: OFF

The system can be built using an SSI EEB form-factor case, and a Zippy/Emacs 700 watt PSL-6701P Power Supply.